AMENDMENTS TO THE CLAIMS

Please amend the Claims as follows.

Claims 1-22 (Cancelled)

23. (Twice Amended) A method of transfecting antigen presenting cells, the steps comprising

selecting a gene delivery complex comprising DNA and a compound selected from the group consisting of sugars, polyethylenimine, and polyethylenimine derivatives ~~and mixtures thereof~~,

and applying the complex to the skin or mucosa surfaces of an animal,

wherein said DNA comprises a nucleic acid sequence encoding at least one immunogenic protein operatively linked to a promoter~~, wherein the immunogenic protein is from a lentivirus~~.

24. (Previously presented) The method of Claim 23, wherein the compound is selected from the group consisting of glucose and polyethylenimine derivatives.

25. (Twice Amended) The method of Claim 24, wherein the ~~polyethyleninine~~ polyethyleneimine derivative targets ~~a~~ the mannose receptor found on the surface of antigen presenting cells.

26. (Previously presented) The method of Claim 25, wherein the derivative is mannosylated polyetheylenimine.

27. (Cancelled).

28. (Previously presented) The method of Claim 23, wherein the complex is electrostatically neutral.

29. (Cancelled)

30. (Twice Amended) The method of Claim 2~~9~~8, wherein the complex comprises a 5:1 ~~molar equivalent~~ ratio of polyethylenimine derivative ~~amine~~ nitrogen per ~~molar equivalent of~~ DNA phosphate.

31. (Previously presented) The method of Claim 23, wherein the gene delivery complex is formulated in a glucose solution.

32. (Previously presented) The method of Claim 31, wherein the glucose solution is 5-10% glucose.

33. (Previously presented) The method of Claim 32, wherein the glucose solution is 8% glucose.

34. (Cancelled)

35. (Twice Amended) The method of Claim 23, further comprising one or more steps selected from the group consisting of receptor stimulation, toxin activation, ~~or~~ tissue injury ~~or~~ and cell injury.

36. (Cancelled)

37. (Previously presented) The method of Claim 23, wherein the ~~lentivirus is~~ protein is from a human immunodeficiency virus.

38. (Previously presented) The method of Claim 37, wherein the human immunodeficiency virus is replication-defective.

39. (Previously presented) The method of Claim 38, wherein the human immunodeficiency virus is integration-defective.

40. (Previously presented) The method of Claim 23, wherein the DNA is a plasmid.

41. (Previously presented) The method of Claim 23, wherein the cells are Langerhans cells.

42. (Amended) The method of Claim 29, wherein the complex comprises a 3:1 ratio ~~molar equivalent~~ of polyethylenimine ~~amine~~ nitrogen per ~~molar equivalent of~~ DNA phosphate.

43. (New) The method of Claim 25, wherein the derivative is a sugar-modified polyethylenimine.